

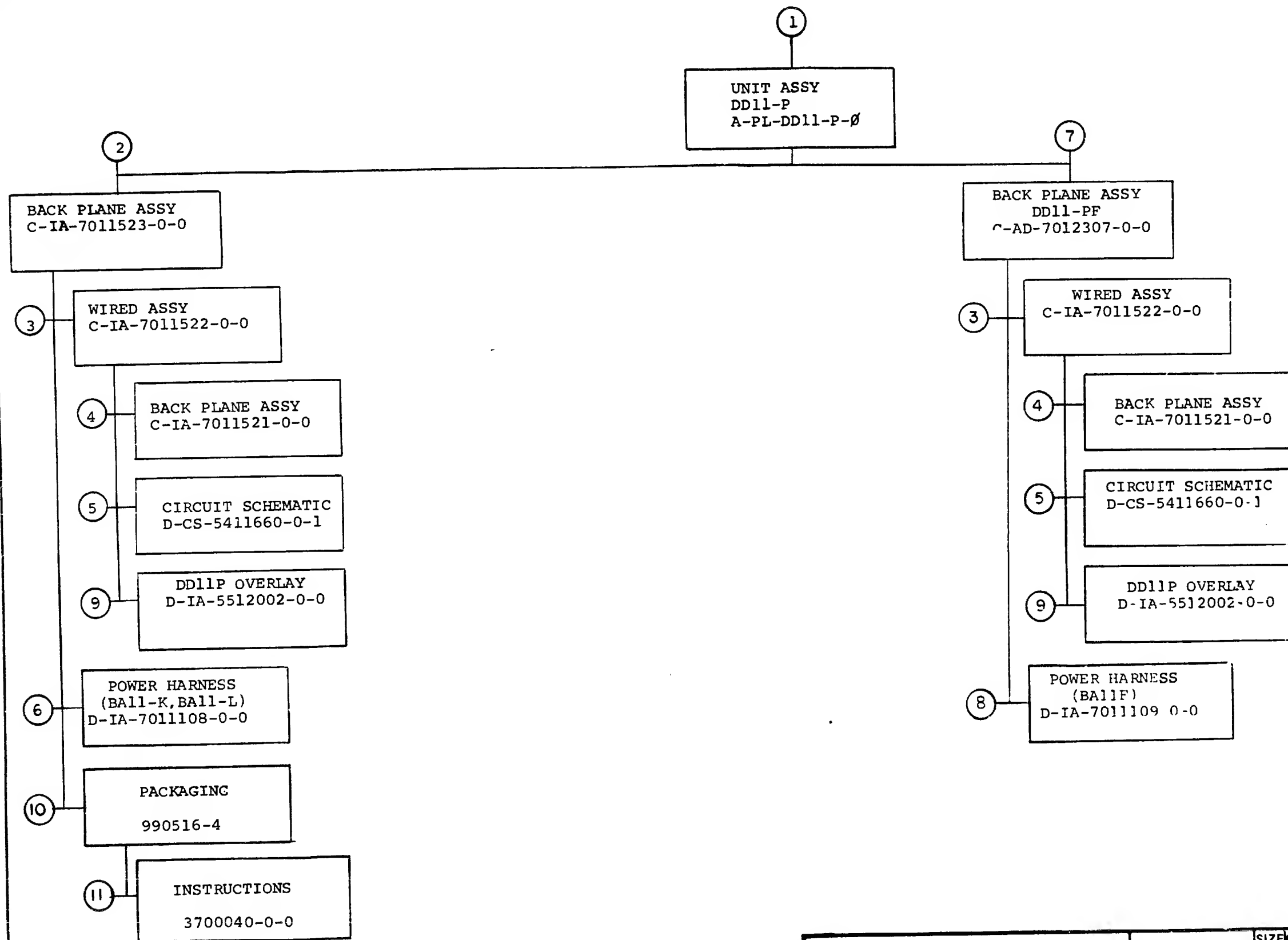
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[illegible]

NOTE: DD11PK ASSEMBLIES ARE
ELECTRICALLY INCOMPATIBLE WITH
DD11PF ASSEMBLIES. A DD11PK
WILL WORK IN Ball-L AND Ball-K
BOXES ONLY. A DD11PF WILL WORK
IN Ball-F AND Ball-P BOXES ONLY

REVISIONS			USED ON OPTION/MODEL			DRN.	DATE	TITLE									
DATE	CHG. NO.	REV				D. HEALY	1/19/73	DRAWING DIRECTORY DD11-P									
2-76	DDIIP-2	A				CHK'D.	DATE										
2-3-76	DDIIP-3	B				PROJ ENG.	DATE										
9-76	DDIIP-3	B				PROD.	DATE										
12-76	DDIIP-4	C				FIELD SERV.	DATE										
2-77	DDIIP-5	D						SIZE		CODE	NUMBER				REV		
								B	DD		DD11-P				D		
								DIST									

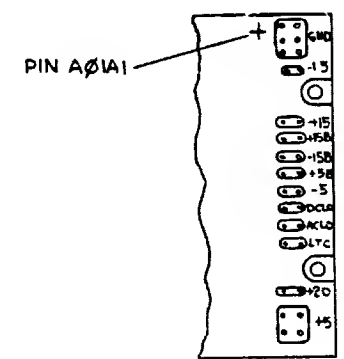


TITLE	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY DD11-P	B	DD	DD11-P	D
SHEET 2 OF 3				

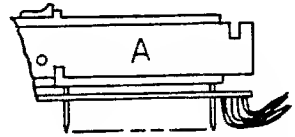
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WIRE TABLE

FROM			TO	FROM			TO
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLUE	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRAY	P2-2		+15
BLK	P4-8		GND	ORG	P2-3		+20
ORG	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-12	SOLDER	+5B
WHT	P4-6		+15B	ITEM 5	ITEM 6	SOLDER	GND
GRN	P4-15		-15B				
YEL	P3-4		ACLO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DCLO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				



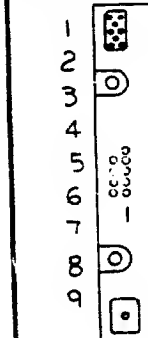
VIEW A



PIN AØIAI

SEE VIEW A

SLOT



B

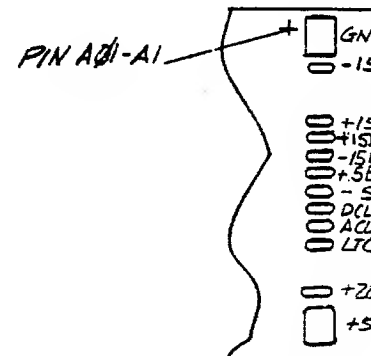
A

REVISIONS		REV.
CHK	CHANGE NO.	
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2	7011523-00002	B
3	7011523-00003	C
4	7011523-00004	D
5	7011523-00005	E
6	7011523-00006	F
7	7011523-00007	G
8	7011523-00008	H
9	7011523-00009	I
10	7011523-00010	J
11	7011523-00011	K
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13	7011523-00013	M
14	7011523-00014	N
15	7011523-00015	O
16	7011523-00016	P
17	7011523-00017	Q
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27	7011523-00027	AA
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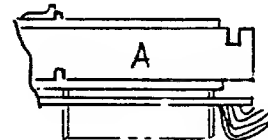
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WIRE TABLE

FROM				TO			
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLU	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRAY	P2-2		+5
BLK	P4-8		GND	GRN	P2-3		+20
GRN	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-10	SOLDER	+5B
WHT	P4-6		+15B	ITEM*5	ITEM*6	SOLDER	GND.
GRN	P4-15		-15B				
YEL	P3-4		ACLO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DCLO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				



VIEW "A"



PIN A01-A1

SEE VIEW A

SLOT

1
2
3
4
5
6
7
8
9

B

A

REV.	CHANGE NO.	CHK

DEC FORM NO. 111

NOTES:

1. WHEN DD11-PF IS USED WITH A BAI-F EXP BOX WITHOUT BATTERY BACK UP INSTALL THE THREE JUMPERS SHOWN:
1) -15 TO -15B
2) +15 TO +15B
3) +5 TO +5B
USE #20 INSULATED BUS WIRE ON SIDE 2 THIS WILL PROVIDE POWER TO THE MOS MEM VOLTAGE RAILS.
2. INSTALL ITEM #6 UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	TERMINAL, SOLDER	9008150	6
A/R	WIRE, BLK STRD #14	9107370-00	5
A/R	TUBING, #20 (CLEAR)	9107267-10	4
A/R	WIRE, BUS #20	9107560-02	3
1	POWER HARNESS BAI-F	D-7A-7011109-0-0	2
1	WIRED ASSY DD11-P	C-7A-7011522 0-0	1

FIRST USED ON OPTION/MODEL DD11-PF		QTY.		DESCRIPTION		PART NO.		ITEM NO.	
DIMENSIONAL TOLERANCE		DBM		DATE		12/24/75		digital	
DIMENSIONS ARE MILLIMETERS INCHES UNLESS OTHERWISE SPECIFIED		CHK'D		DATE		12/18/75		TITLE	
MILLIMETERS INCHES ANGLES		ENG'D		DATE		12/18/75		BACK PLANE ASSY (DD11-PF)	
X.XX = ±0.10 .XX = ±0.05 ±0°30'		PROJ. ENG.		DATE		12/18/75		SIZE CODE	
X.X = ±0.5 .XX = ±0.2		PROD.		DATE		12-18-75		NUMBER	
X = ±2 .X = ±1		NEXT HIGHER ASSY.		SCALE		NONE		REV.	
THIRD ANGLE PROJECTION		MATERIAL SEE PARTS LIST		FINISH		A-PL-DD11-PF-Ø		C AD 7012307-0-0	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SHEET		1		OF 1		DST.	

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STORAGE AND RETRIEVAL SYSTEM.

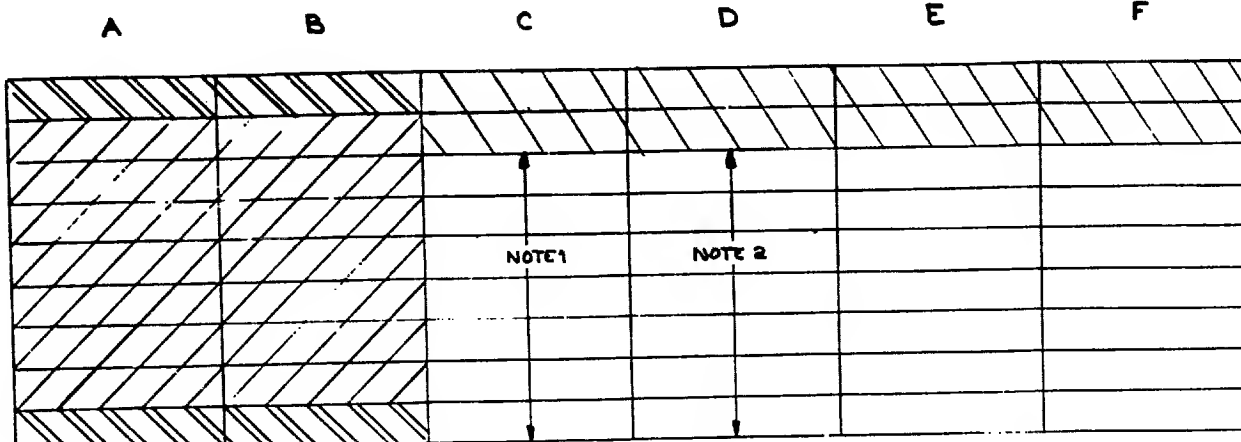
2-2-1100 2

NOTES:

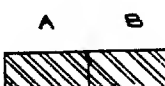
1. REMOVE CA1 TO CB1 WIRE WRAP JUMPER TO INSTALL AN MPR OPTION IN ANY SPC SLOT.
2. ST2T REQUIRED IN ANY UNUSED SPC SLOT TO PROVIDE BUS GRANT CONTINUITY.
3. GRANT DIRECTION IS SLOT 1 TO SLOT 9.
4. USE M9202 TO INTERCONNECT SYSTEM UNITS INSTEAD OF M920. M9202 IS A 2 FT. UNIBUS JUMPER CABLE USED TO DISTRIBUTE UNIBUS LOADING.
5. M9302 (SACK/TERM) AND M930 (TERM) MUST NEVER BE INSTALLED IN ANY SLOT OTHER THAN SLOT 8 (A & B). POWER SUPPLY VOLTAGES WILL BE SHORTED OUT IF THESE TERMINATORS ARE MOUNTED IN THE MODIFIED UNIBUS SLOTS.
6. MODIFIED UNIBUS SECTION CARRIES CORE AND MOS MEMORY VOLTAGE RAILS AND MEMORY PARITY CONTROL SIGNALS INSTEAD OF BUS GRANT AND SOME GND SIGNALS THAT ARE CONTAINED IN STANDARD UNIBUS SLOTS.
7. REFER TO NEXT PAGE FOR RECOMMENDED UTILIZATION OF THIS SLOT IN STANDARD SYSTEM.
8. THIS SLOT IS RESERVED FOR KK11-A OPTION ON PDP1134A ONLY BALL-K BOX ONLY.

NOTE 7
NOTE 7
NOTE 7
NOTE 7
NOTE 8

SLOT

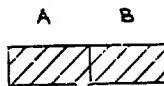


CABLE FROM KY11-LA
OPERATORS CONSOLE,
USED WITH PDP 11/04,
PDP 11/34, PDP 1134A
TERMINATES HERE



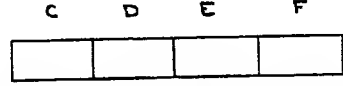
STANDARD UNIBUS
(SLOTS 1 & 9)

DUAL MODULES WHICH
PLUG INTO STANDARD
UNIBUS SLOTS ONLY:
BC11A UNIBUS CABLE
M9302 SACK/TERM. (WLS)
M920 (NOTE 4)
M930 (NOTE 5)
M9202 (NOTE 4)
SLOT 9 (P&B) IS EITHER
THE TERMINATION OF THE
UNIBUS OR THE OUTPUT
CABLE (BC11A)



MODIFIED UNIBUS
(SLOTS 2 & 8)

DUAL MODULES WHICH
PLUG INTO THE
MODIFIED UNIBUS ONLY:
M9301 BOOT/TERM.
M9306 TERM.
M7850 PARITY CONT.



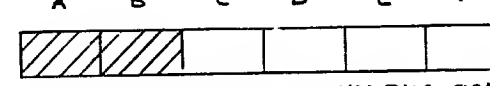
SMALL PERIPHERAL CONTROLLER
(SLOTS 3-9)

ANY S.P.C. OPTION



CPU BUS
(SLOTS 1 & 2)

PROCESSOR INTERCONNESS
FOR KD11-E AND KD11-EA



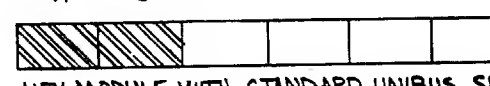
HEX MODULE WITH MODIFIED UNIBUS SIGNALS
(SLOTS 2-8)

HEX MODULES THAT PLUG INTO MODIFIED UNIBUS ONLY:
M7847 MOS MEMORY (MS11 EP-JP)
MM11-BP, CP, DP, OR YP CORE MEMORY

GENERAL

ANY HEX MODULE THAT MEETS EITHER OF THE FOLLOWING
REQUIREMENTS CAN BE MOUNTED IN THESE SLOTS.

- 1) THOSE PINNED TO TAKE SIGNALS FROM MODIFIED UNIBUS (A & B) WITH THE BUS GRANTS TAKEN FROM SPC SLOTS 10: ABOVE
- 2) THOSE PINNED TO TAKE SIGNALS FROM STANDARD SPC PINNING WITH THE EXCEPTION OF POWER FROM (A & B). 10: SPECIAL OPTIONS



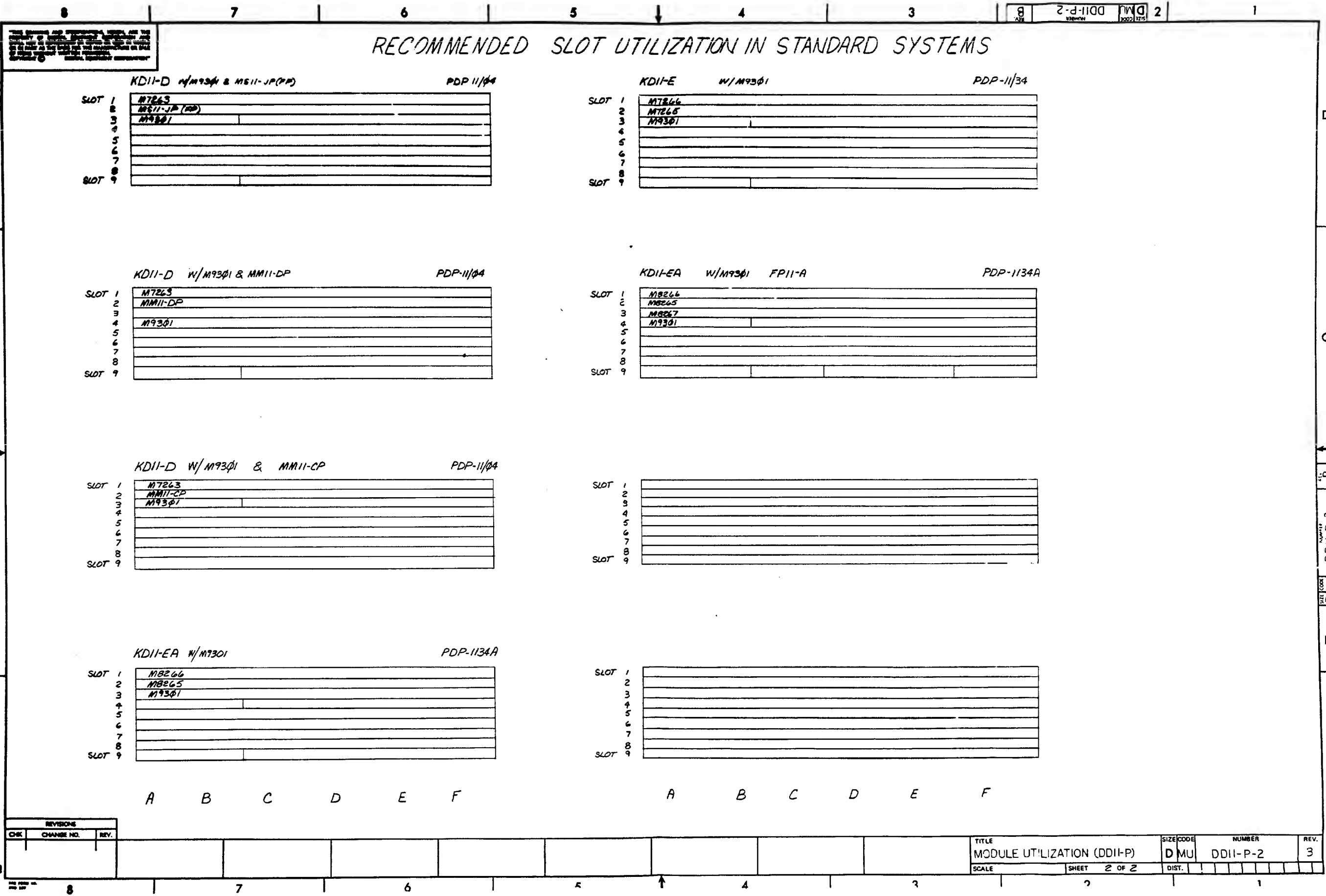
HEX MODULE WITH STANDARD UNIBUS SIGNALS
SLOT 1 ONLY

M7263 PDP11/04 CPU MODULE OR M7266 PDP 1134 CONTROL MODULE
M7266 KD11-E (PDP 11/34) CONTROL MODULE
M8266 KD11-RE (PDP 1134A) CONTROL MODULE

DESCRIPTION		DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	CLASS 2F	NOMINAL DIMENSION RANGE INCHES	
30° 30'	ACCURACY	OVER 0	OVER 12.0
SURFACE	(CHECK ONLY)	0 TO 1.0	1.0 TO 12.0
CURVATURE	IN	1.0 TO 1.5	1.5 TO 2.0
MEDIUM		2.0 TO 2.5	2.5 TO 3.0
PREFERRED		3.0 TO 3.5	3.5 TO 4.0
QUANTITY & VARIATION		4.0 TO 4.5	4.5 TO 5.0
THIRD ANGLE PROJECTION		5.0 TO 5.5	5.5 TO 6.0
REMOVE PURRS AND BREAK SHARP CORNERS		6.0 TO 6.5	6.5 TO 7.0
DO NOT SCALE DWG		7.0 TO 7.5	7.5 TO 8.0
MATERIAL		8.0 TO 8.5	8.5 TO 9.0
FINISH		9.0 TO 9.5	9.5 TO 10.0

TITLE		SIZE	CODE	NUMBER	REV.
MODULE UTILIZATION (DD11-P)		D	MU	DD11-P-2	B

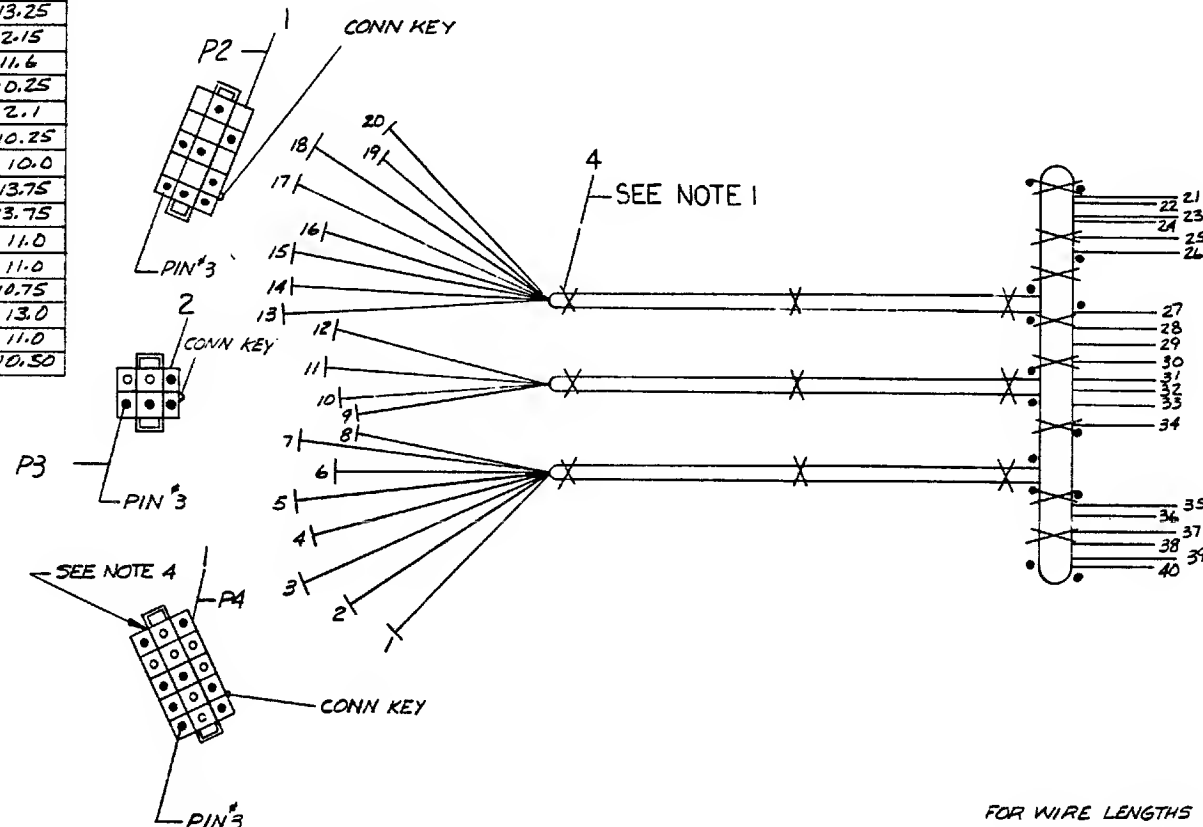
NEXT HIGHER ASSY.		SHEET	
1 OF 2		1 OF 2	



THE WIRING AND CONNECTIONS SHOWN ARE THE PROPERTY OF THE AIR FORCE. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE AIR FORCE.

WIRING TABLE

ITEM NO	DESCRIPTION		FROM			TO		SIGNAL	LENGTH
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION		
9	18	BLU	1	P4-13	3	26	SOLDER	-15V	12.75
5	14	RED	2	P4-4		37		+5V	11
5	14	RED	3	P4-1		38		+5V	11.25
6	14	BLK	4	P4-8		21		GND	13.75
7	14	ORN	5	P4-3		35		+20V	11.0
6	14	BLK	6	P4-9		22		GND	13.25
13	18	WHT	7	P4-6		28		+15B	12.15
14	18	GRN	8	P4-15		29		-15B	11.6
12	18	YEL	9	P3-4		33		ACLO	10.25
6	14	BLK	10	P3-1		23		GND	12.1
10	18	BRN	11	P3-2		34		LTC	10.25
11	18	VIO	12	P3-3		32		DCLO	10.0
5	14	RED	13	P2-4		39		+5V	13.75
5	14	RED	14	P2-1		40		+5V	13.75
15	14	BRN	15	P2-14		31		-5V	11.0
6	14	BLK	16	P2-8		24		GND	11.0
8	18	GRY	17	P2-2		27		+15	10.75
7	14	ORN	18	P2-3		36		+20	13.0
6	14	BLK	19	P2-9		25		GND	11.0
5	14	RED	20	P2-10	3	30	SOLDER	+5B	10.50



NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN.
2. DOT (•) INDICATES NAIL LOCATION FOR ASSY USE ONLY. COVER NAILS WITH SHRINK TUBING.
3. WIRE LENGTH TOL WILL BE $\pm .12$ IN
4. ALL CONN SHOWN FROM WIRING SIDE.
5. STRIP $\frac{1}{8}$ " INSULATION FROM POINTS 21 THRU 40 AND FULL TIN POINTS 21 THRU 40.

1	POWER HARNESS DECAL	7409872-2	16
AIR	WIRE #14 AWG (BRN)	9107370-11	15
AIR	WIRE #18 AWG (GRN)	9107360-55	14
AIR	WIRE #18 AWG (WHT)	9107360-99	13
AIR	WIRE #18 AWG (YEL)	9107360-44	12
AIR	WIRE #18 AWG (VIO)	9107360-77	11
AIR	WIRE #18 AWG (BRN)	9107360-11	10
AIR	WIRE #18 AWG (BLU)	9107360-66	9
AIR	WIRE #18 AWG (GRY)	9107360-88	8
AIR	WIRE #14 AWG (ORN)	9107370-33	7
AIR	WIRE #14 AWG (BLK)	9107370-00	6
AIR	WIRE #14 AWG (RED)	9107370-22	5
17	TIE WRAP	9007031	4
20	PIN MALE	1209378-01	3
1	CONN 6 PIN HOUSING	1209351-06	2
2	CONN 15 PIN HOUSING	1209351-15	1

FOR WIRE LENGTHS
SEE WIRING TABLE

DO NOT REDUCE

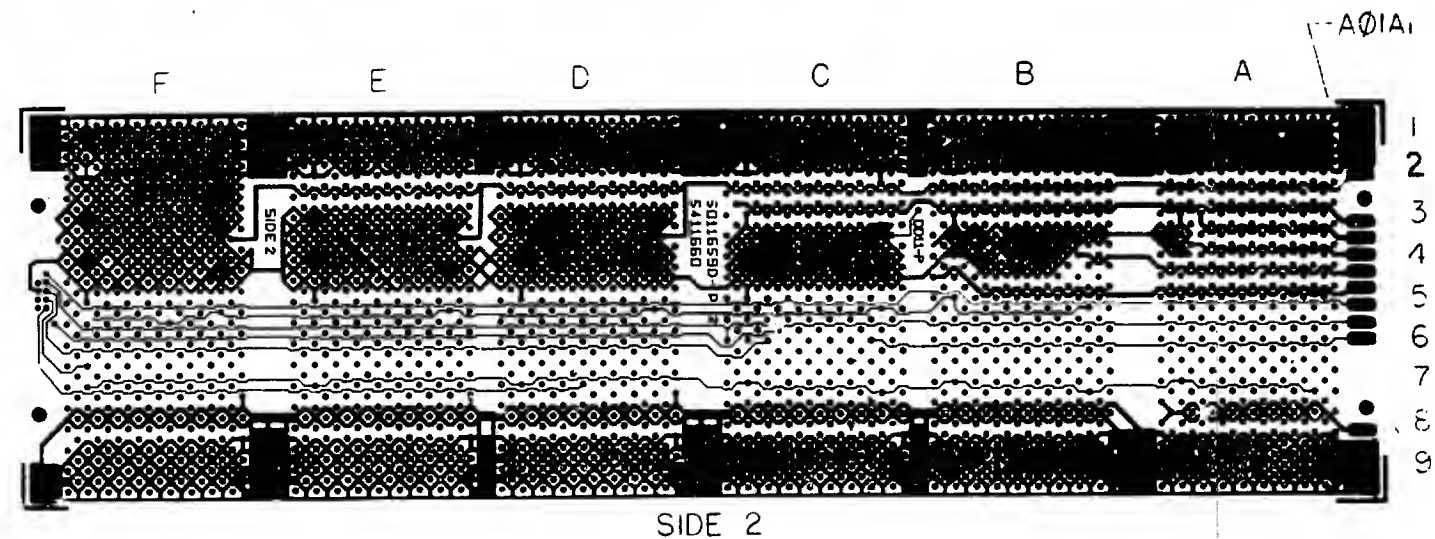
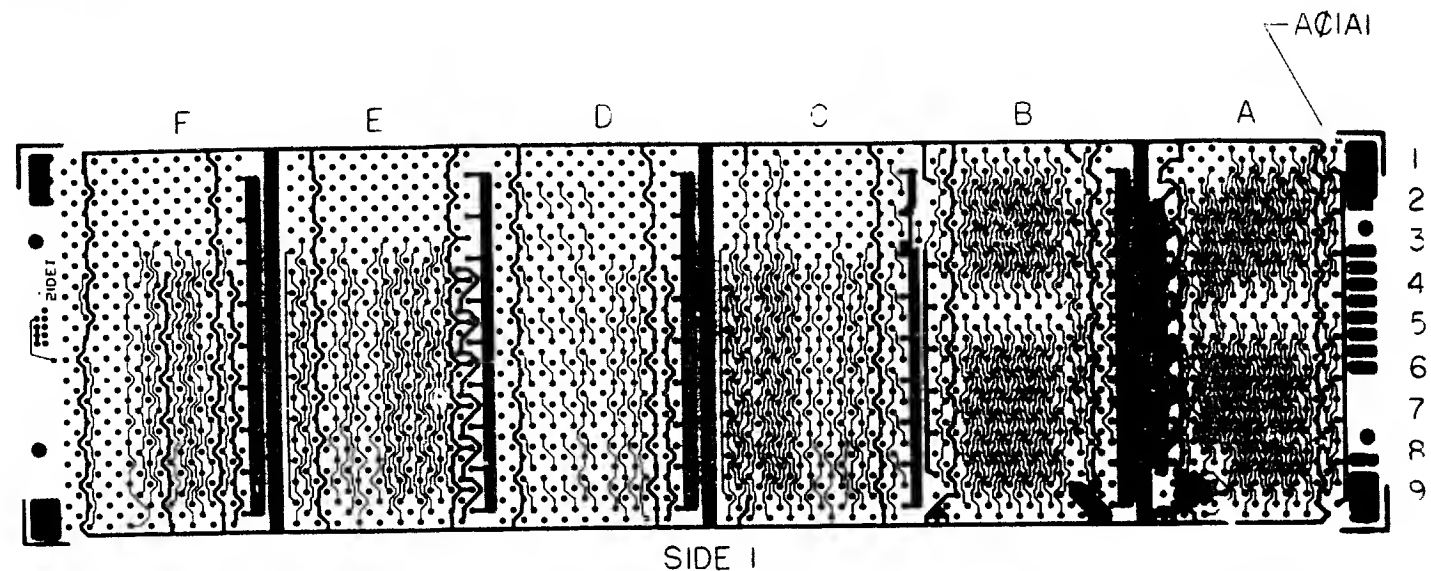
SCALE


0 IN 6 IN 12 IN

FOR MANUFACTURING PURPOSES ONLY

QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	POWER HARNESS (BA11-F)	7409872-2	16
1	WIRE #14 AWG (BRN)	9107370-11	15
1	WIRE #18 AWG (GRN)	9107360-55	14
1	WIRE #18 AWG (WHT)	9107360-99	13
1	WIRE #18 AWG (YEL)	9107360-44	12
1	WIRE #18 AWG (VIO)	9107360-77	11
1	WIRE #18 AWG (BRN)	9107360-11	10
1	WIRE #18 AWG (BLU)	9107360-66	9
1	WIRE #18 AWG (GRY)	9107360-88	8
1	WIRE #14 AWG (ORN)	9107370-33	7
1	WIRE #14 AWG (BLK)	9107370-00	6
1	WIRE #14 AWG (RED)	9107370-22	5
1	TIE WRAP	9007031	4
1	PIN MALE	1209378-01	3
1	CONN 6 PIN HOUSING	1209351-06	2
1	CONN 15 PIN HOUSING	1209351-15	1

THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS	DO NOT SCALE DWG	MATERIAL SEE PARTS LIST	FINISH
DRG. BY: [Signature]	CHKD. BY: [Signature]	ENG. BY: [Signature]	PROJ. ENG. BY: [Signature]	PROD. BY: [Signature]
DATE: 11/5/75	DATE: 11/5/75	DATE: 11/5/75	DATE: 11/5/75	DATE: 11/5/75
FIRST USED ON DD11-DF, PF				
TITLE POWER HARNESS (BA11-F)				
CADD-7012307-0-0				
SCALE 1/1				
SHEET 1 OF 1				
DIST. 1				



REF	AWT REV STATUS		A-WT-701522-C		1
REF	MODULE ECO HISTORY		B-WH-5411660-0-6		4
REF	ASSY/DRILLING HOLE LAYOUT		D-AH-5411660-0-5		3
REF	X-Y COORDINATE, HOLE LOCATION		K-CO-5411660-0-4		2
1	ETCHED CIRCUIT BOARD		5011659		1
QTY	REF. DESIGNATION		DESCRIPTION		PART NO.
PARTS LIST					
ETCH BOARD REV.		D			
		DRN.	DATE		
		CHKD.	DATE		
		ENG.	DATE		
		PROJ. ENGR.	DATE		
		PROD.	DATE		
		NEXT HIGHER ASSY		TITLE	
		C-1A-701521-0-0		CIRCUIT SCHEMATIC	
DEC NO.		EIA NO.		SIZE CODE	NUMBER
				D CS	5411660-0-1
R CONVERSION CHART		SCALE 1/1		REV.	
		SHEET 1 OF 1		DIST.	

IC TYPE	GND	+5
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

DEC FORM NO.
1 (NO. 1-75-11)